AUDIT REPORT

Hostname: Dist SW2

Config file name: Dist_SW2_startup-config.cfg

Config hash: a4af163c7c06d7aaf1dd20ee697eef95e24bff5f

Vendor: OS: ios

Facility layer: collapsed_distribution_access

L3 protocols:

Enabled functions: ospf ipv4,hsrp,acl created

Date: 18/05/2020_09:43

SUCCESS STATISTICS

Weighted score coefficient:

53 out of 100

Successful checks: 34.0% Unsuccessful checks: 66.0%

Total number of relevant 159

started checks:

Successful checks: 54 Unsuccessful 'Critical': 22 Unsuccessful 'High': 46 Unsuccessful 'Medium': 33 Unsuccessful 'Low': Unsuccessful 'Notice':

Authentication, Authorization, Accounting

No.	Name	Severity	Skipped	Cannot determine search/fix			
1	AAA new model/ Enabled AAA	High	False	False	Error 🗶		
	erated fix: ew-model						
2	AAA server set	High	False	False	Error 🗶		
radiu:	erated fix: s server RADIUS_SERVER ess ipv4 192.168.60.11 adKey1						
3	AAA server group	High	False	False	Error 🗶		
aaa g	rated fix: roup server radius RADIUS_SERVER r name RADIUS_SERVER						
4	AAA authentication login	High	False	False	Error 🗶		
Generated fix: aaa authentication login default group RADIUS_SERVER local enable							
5	AAA authentication login fallback	High	False	False	Error 🗶		

	Generated fix: aaa authentication login default group RADIUS_SERVER local enable							
6	AAA authentication login only local disabled	High	False	False	Successful 🗸			
7	AAA authentication login none disabled	Critical	False	False	Successful 🗸			
8	AAA authentication "enable"	Medium	False	False	Error 🗶			
	Generated fix: aaa authentication enable default group RADIUS_SERVER enable							
9	AAA authentication "enable" fallback	Medium	False	False	Error 🗶			
	erated fix: uthentication enable default group RADIUS_SERVE	R enable						
10	AAA authentication "enable" only local disabled	Medium	False	False	Successful 🗸			
11	AAA authentication "enable" none disabled	High	False	False	Successful 🗸			
12	AAA authorization "exec"	High	False	False	Error 🗶			
	erated fix: uthorization exec default group RADIUS_SERVER lo	ocal if-authen	ticated					
13	AAA authorization "exec" fallback	High	False	False	Error 🗶			
	erated fix: uthorization exec default group RADIUS_SERVER lo	ocal if-authen	iticated					
14	AAA authorization "exec" only local disabled	High	False	False	Successful 🗸			
15	AAA authorization "exec" none disabled	Critical	False	False	Successful 🗸			
16	AAA accounting "connection"	High	False	False	Error 🗶			
	erated fix: ccounting connection default start-stop group RAD	OIUS_SERVER						
17	AAA auccounting "connection" none disabled	High	False	False	Successful 🗸			
18	AAA accounting "exec"	High	False	False	Error 🗶			
	erated fix: ccounting exec default start-stop group RADIUS_SI	ERVER						
19	AAA accounting "exec" none disabled	High	False	False	Successful 🗸			
20	AAA source interface	Medium	False	False	Error 🗶			
	erated fix: lius source-interface Loopback0							
21	AAA authentication max attempts less or equal to 5	High	False	False	Successful 🗸			

Access to device

No.	Name	Severity	Skipped	Cannot determine search/fix	
1	Exec timeout <=5 minutes	Medium	False	False	Error X
line c	d error in context(s): on 0 ty 0 4				

line	erated fix: con 0 -timeout 5				
	vty 0 4 -timeout 5				
2	AUX connection input disabled	High	False	False	Successful 🗸
3	AUX no execution set	High	False	False	Error 🗶
line	nd error in context(s): aux 0				
	erated fix: aux 0 xec				
4	Remote output connections disabled	Medium	False	False	Error 🗶
line line line Gen line	erated fix: con 0 con				
trans	aux 0 sport output none vty 0 4 sport output none				
5	Local user database with encrypted password	Critical	False	False	Error X
	erated fix: name admin secret admin_password				
6	Local user database with plaintext password disabled	Critical	False	False	Successful 🗸
7	Enable password encrypted	Critical	False	False	Error 🗶
	erated fix: ble secret enablepasswd123				
8	Enable password plaintext disabled	Critical	False	False	Successful 🗸
9	Local login to virtual terminal disabled	Critical	False	False	Error X
	r configuration setting found in: vty 0 4				
	nd error in context(s): vty 0 4				
10	Restrict login to device - IPv4 ACL	Critical	False	False	Error X
	nd error in context(s): vty 0 4				
line	erated fix: vty 0 4 ss-class IPV4_VTY_ACL in				
11	ACL specified for VTY access is created	Critical	False	False	Error 🗶
	ment: not be fixed automatically!				

Fix notice: Cannot be fixed automatically! If search is not successful create ACL, which permits only needed end stations for managing devices with these commands: ip access-list standard <acl name> remark Permiting managemnt device permit <ip address> <wildcard mask> Log login to device on failure High False False Error X Generated fix: login on-failure trap login on-failure log login on-failure log-input Fix notice: Depending on IOS, usually just one of fixing command is applicable to device. There are more because of different syntax and support among IOS versions. 13 Log login to device on success Medium False False Error X Generated fix: login on-success trap login on-success log login on-success log-input Fix notice: Depending on IOS, usually just one of fixing command is applicable to device. There are more because of different syntax and support among IOS versions. Login quiet mode Medium False **False** Error X Generated fix: login quiet-mode access-class IPV4 VTY ACL ACL exists for specified login quiet mode Medium False Error X Comment: Cannot be fixed automatically! Fix notice: Cannot be fixed automatically! If search is not successful create ACL, which permits only needed end stations for managing devices with these commands: ip access-list standard <acl name> remark Permiting managemnt device permit <ip address> <wildcard mask> 16 One user change config at time High **False False** Error X Generated fix: configuration mode exclusive configuration mode exclusive auto Just one of fixing command is applicable to device. There are more because of different syntax among IOS versions. **False** Legal banner MOTD Low False Error X Generated fix: banner motd; Unauthorized access will be prosecuted!!; 18 Legal banner exec Low False False Successful < Right configuration setting found in: banner exec ^C * IOSv is strictly limited to use for evaluation, demonstration and IOS * * education. IOSv is provided as-is and is not supported by Cisco's * * Technical Advisory Center. Any use or disclosure, in whole or in part, * * of the IOSv Software or Documentation to any third party for any * purposes is expressly prohibited except as otherwise authorized by * * Cisco in writing. * Legal banner login Low False False Successful <

Right configuration setting found in: banner login ^C * IOSv is strictly limited to use for evaluation, demonstration and IOS * * education. IOSv is provided as-is and is not supported by Cisco's * * Technical Advisory Center. Any use or disclosure, in whole or in part, * st of the IOSv Software or Documentation to any third party for any st* purposes is expressly prohibited except as otherwise authorized by * * Cisco in writing. * 20 Session timeout **False** Error X Medium False Found error in context(s): line con 0 line aux 0 line vty 0 4 Generated fix: line con 0 session-timeout 30 line aux 0 session-timeout 30 line vty 0 4 session-timeout 30 Error X 21 AUX exec timeout one second High False False Found error in context(s): line aux 0 Generated fix: line aux 0 exec-timeout 0 1 Not relevant 22 Restrict login to device - IPv6 ACL Critical True False Comment: Skipped, required function ipv6 not configured on device. Everything is OK. Not relevant ACL IPv6 specified for VTY access is Critical True **False** created Comment: Skipped, required function ipv6 not configured on device. Everything is OK. 24 Login DOS block for High **False False** Error X Generated fix: login block-for 120 attempts 3 within 30 **SSH**

No.	Name	Severity	Skipped	Cannot determine search/fix			
1	SSH enable on management connection	Critical	False	False	Error 🗶		
	d error in context(s): ty 0 4						
line v	trated fix: ty 0 4 port input ssh						
Fix notice: Make sure RSA key is present - generated or imported. For generating RSA key, issue command: crypto key generate rsa modulus 2048							
2	SSH version 2	Critical	False	False	Error X		

Generated fix: ip ssh version 2 SSH timeout Medium False False Error X Generated fix: ip ssh timeout 30 ip ssh time-out 30 Fix notice: Just one of fixing command is applicable to device. There are more because of different syntax among IOS versions. SSH max 3 retries Medium False False Successful < 5 SSH source interface High False False Error X Generated fix: ip ssh source-interface Loopback0 6 SSH not default port High False False Error X Generated fix: ip ssh port 2223 rotary 1 SSH not default port applied Error X High False False Found error in context(s): line vty 0 4 Generated fix: line vty 0 4 rotary 1

Device identification

No.	Name	Severity	Skipped	Cannot determine search/fix	
1	Hostname set	Low	False	False	Successful 🗸
	ment: ot be fixed automatically!				
_	t configuration setting found in: name Dist_SW2				
2	Domain name set	Low	False	False	Error 🗶
ip do ip do	erated fix: main-name thesis-test.cz main name thesis-test.cz notice: one of fixing command is applicable to device. The	re are more b	ecause of diffe	rent syntax am	ong IOS versions.
3	All interfaces have description	Low	False	False	Error 🗶
Cann Righ interf	ment: ot be fixed automatically! t configuration setting found in: face GigabitEthernet0/0 ription uplink				

Found port(s) with error:

GigabitEthernet0/1

GigabitEthernet0/2

GigabitEthernet0/3 GigabitEthernet1/0

GigabitEthernet1/1
GigabitEthernet1/2

GigabitEthernet1/3 GigabitEthernet2/0

GigabitEthernet2/1
GigabitEthernet2/2

GigabitEthernet2/3

GigabitEthernet3/0

GigabitEthernet3/1

GigabitEthernet3/2

GigabitEthernet3/3

Vlan20

Vlan30

Fix notice:

Set interface descrtiption with command:

interface <interface name>

description <description of interface>

Fix ignore comment:

Fixing commands suppressed due to manual need of manual chenage and name determination.

SNMP

No.	Name	Severity	Skipped	Cannot determine search/fix				
1	SNMP v2 write disabled	Critical	False	False	Successful 🗸			
2	SNMP v2 read without ACL disabled	Critical	False	False	Successful 🗸			
3	SNMP v2 read with ACL disabled	Critical	False	False	Successful 🗸			
1	SNMP v1 trap host disabled	Critical	False	False	Successful 🗸			
5	SNMP v2 trap host disabled	Critical	False	False	Successful 🗸			
5	SNMP v3 read [authnopriv noauth authpriv without ACL] or write disabled	Critical	False	False	Successful 🗸			
7	SNMP v3 read authpriv with ACL enabled	l Critical	False	False	Successful 🗸			
Right configuration setting found in: snmp-server group SNMP_V3_GRP v3 priv read READ_VIEW access SNMP_V3								
3	SNMP v3 read authpriv with IPv6 ACL enabled	Critical	True	False	Not relevant			
Skipp	ed, required function ipv6 not configured on device SNMP user v1 v2c or v3 [noauth authnopriv no sha no aes without ACL] disabled	e. Everything Critical	False	False	Successful 🗸			
10	SNMP trap source interface	High	False	False	Error X			
	erated fix: o-server trap-source Loopback0							
11	SNMP server location	High	False	False	Error 🗶			
Generated fix: snmp-server location GNS3LAB								
		Medium	False	False	Error X			
12	SNMP v3 traps priv	Generated fix: snmp-server host 192.168.60.11 version 3 priv SNMPv3USER						
Gene	erated fix:	USER			Ellor			

14	SNMP traps enabled	Medium	False	False	Error X
	erated fix: o-server enable traps				
15	ACL is created for SNMPv3	Critical	False	False	Successful 🗸
	t configuration setting found in: cess-list standard SNMP_V3				
16	ACL IPv6 is created for SNMPv3	Critical	True	False	Not relevant ✓
	ment: bed, required function ipv6 not configured on devic	ce. Everything	յ is OK.		
17	SNMP interface index persist enabled globally	High	False	False	Error X
snmp snmp	erated fix: o-server ifindex persist o ifmib ifindex persist		6.1166		
Just o	one of fixing command is applicable to device. The SNMP interface index persist enabled per interface	re are more b	False	False	Error X
Gigal Gigal Gigal Gigal Gigal Gigal Gigal Gigal Gigal Gigal Gigal					

Generated fix: interface GigabitEthernet0/0 snmp ifindex persist exit interface GigabitEthernet0/1 snmp ifindex persist exit interface GigabitEthernet0/2 snmp ifindex persist exit interface GigabitEthernet0/3 snmp ifindex persist exit interface GigabitEthernet1/0 snmp ifindex persist exit interface GigabitEthernet1/1 snmp ifindex persist exit interface GigabitEthernet1/2 snmp ifindex persist exit interface GigabitEthernet1/3 snmp ifindex persist exit interface GigabitEthernet2/0 snmp ifindex persist exit interface GigabitEthernet2/1 snmp ifindex persist exit interface GigabitEthernet2/2 snmp ifindex persist interface GigabitEthernet2/3 snmp ifindex persist exit interface GigabitEthernet3/0 snmp ifindex persist interface GigabitEthernet3/1 snmp ifindex persist exit interface GigabitEthernet3/2 snmp ifindex persist interface GigabitEthernet3/3 snmp ifindex persist exit interface Vlan20 snmp ifindex persist exit interface Vlan30 snmp ifindex persist exit

Syslog

No.	Name	Severity	Skipped	Cannot determine search/fix	
1	Syslog server enabled	High	False	False	Error 🗶
	erated fix: ng host 192.168.60.11				
2	Syslog server IPv6 enabled	High	True	False	Not relevant ✓
	ment: ed, required function ipv6 not configured on devic	e. Everything	is OK.		
3	Syslog source interface	Medium	False	False	Error 🗶
	erated fix: ng source-interface Loopback0				

4	Syslog format	Medium	False	False	Successful 🗸
_	at configuration setting found in: ce timestamps log datetime msec				
5	Syslog critical alerts to console	Medium	False	False	Error 🗶
	erated fix: ng console critical				
6	Syslog send informational traps	High	False	False	Successful 🗸
7	Syslog buffer set with severity	High	False	False	Error 🗶
	erated fix: ng buffered 40960 informational				
8	Syslog local backup	High	False	False	Error 🗶
	erated fix: ng persistent url flash:				
9	Syslog sequence numbers added	Medium	False	False	Error 🗶
	erated fix: ce sequence-numbers				

NTP

No.	Name	Severity	Skipped	Cannot determine search/fix				
1	NTP server set	High	False	False	Error 🗶			
	erated fix: erver 192.168.60.11							
2	NTP source interface	Medium	False	False	Error 🗶			
	Generated fix: ntp source Loopback0							
3	NTP authentication key	High	False	False	Error 🗶			
	erated fix: uthentication-key 1 md5 ntpPasswd123							
4	NTP trusted key	High	False	False	Error 🗶			
	erated fix: rusted-key 1							
5	NTP authenticate	High	False	False	Error 🗶			
	erated fix: uthenticate							

High load

No.	Name	Severity	Skipped	Cannot determine search/fix	
1	SNMP traps for CPU load	Medium	False	False	Error 🗶
	erated fix: -server enable traps cpu threshold				
2	Threshold for CPU load	Medium	False	False	Error 🗶

	erated fix: ess cpu threshold type total rising 70 interval 5							
3	Statistics entry for CPU load	Low	False	False	Error X			
Generated fix: process cpu statistics limit entry-percentage 70								
4	Reserve memory for critical notification	Medium	False	False	Error X			
Generated fix: memory reserve critical 1000								
5	Minimum CPU memory notification	Medium	False	False	Error 🗶			
Generated fix: memory free low-watermark processor 2000								
6	Minimum IO memory notification	Medium	False	False	Error 🗶			
Generated fix: memory free low-watermark io 2000								

Spanning tree

No.	Name	Severity	Skipped	Cannot determin search/fi	
1	Portfast globally enabled	High	False	False	Error 🗶
span span	erated fix: ning-tree portfast default ning-tree portfast edge default notice:				
Just (one of fixing command is applicable to device	e. There are more b	ecause of diff	erent syntax a	mong IOS versions.
2	Portfast enabled on access interfac	e High	False	False	Error 🗶
Giga Giga Giga Giga Giga Giga Giga Giga	nd port(s) with error: bitEthernet0/2 bitEthernet1/1 bitEthernet1/2 bitEthernet1/3 bitEthernet2/0 bitEthernet2/1 bitEthernet2/2 bitEthernet2/3 bitEthernet3/0 bitEthernet3/1 bitEthernet3/2 bitEthernet3/2 bitEthernet3/3				

Generated fix:

interface GigabitEthernet0/2 spanning-tree portfast spanning-tree portfast edge interface GigabitEthernet0/3 spanning-tree portfast spanning-tree portfast edge

interface GigabitEthernet1/1 spanning-tree portfast spanning-tree portfast edge exit

interface GigabitEthernet1/2 spanning-tree portfast spanning-tree portfast edge exit

interface GigabitEthernet1/3 spanning-tree portfast spanning-tree portfast edge exit

interface GigabitEthernet2/0 spanning-tree portfast spanning-tree portfast edge

exit interface GigabitEthernet2/1 spanning-tree portfast spanning-tree portfast edge

exit

interface GigabitEthernet2/2 spanning-tree portfast spanning-tree portfast edge exit

interface GigabitEthernet2/3 spanning-tree portfast spanning-tree portfast edge exit

interface GigabitEthernet3/0 spanning-tree portfast spanning-tree portfast edge exit

interface GigabitEthernet3/1 spanning-tree portfast spanning-tree portfast edge exit

interface GigabitEthernet3/2 spanning-tree portfast spanning-tree portfast edge exit

interface GigabitEthernet3/3 spanning-tree portfast spanning-tree portfast edge exit

Fix notice:

Just one of fixing command is applicable to device. There are more because of different syntax among IOS versions.

3 BPDU Guard globally enabled Critical

False

Error X

Generated fix:

spanning-tree portfast bpduguard default spanning-tree portfast edge bpduguard default

Fix notice:

Just one of fixing command is applicable to device. There are more because of different syntax among IOS versions.

BPDU Guard enabled on access interface High

False

False

False

Error X

Found port(s) with error:

GigabitEthernet0/2

GigabitEthernet0/3

GigabitEthernet1/1

GigabitEthernet1/2

GigabitEthernet1/3

GigabitEthernet2/0

GigabitEthernet2/1

GigabitEthernet2/2

GigabitEthernet2/3

GigabitEthernet3/0

GigabitEthernet3/1

GigabitEthernet3/2

GigabitEthernet3/3

.

Generated fix:

interface GigabitEthernet0/2 spanning-tree bpduguard enable exit

interface GigabitEthernet0/3 spanning-tree bpduguard enable exit

interface GigabitEthernet1/1 spanning-tree bpduguard enable exit

interface GigabitEthernet1/2 spanning-tree bpduguard enable

interface GigabitEthernet1/3 spanning-tree bpduguard enable exit

interface GigabitEthernet2/0 spanning-tree bpduguard enable

interface GigabitEthernet2/1 spanning-tree bpduguard enable exit

interface GigabitEthernet2/2 spanning-tree bpduguard enable exit

interface GigabitEthernet2/3 spanning-tree bpduguard enable exit

interface GigabitEthernet3/0 spanning-tree bpduguard enable exit

interface GigabitEthernet3/1 spanning-tree bpduguard enable exit

interface GigabitEthernet3/2 spanning-tree bpduguard enable exit

interface GigabitEthernet3/3 spanning-tree bpduguard enable exit

5	BPDU Filter globally disabled	Critical	False	False	Successful 🗸
6	BPDU Filter disabled on access interface	High	False	False	Not relevant ✓

Module 09_06_stp_bpdu_filter_interface.yaml configured to run after 09_05_stp_bpdu_filter.yaml with status error but that module has not run yet with specified cmd_match_status, 09_06_stp_bpdu_filter_interface.yaml will not run

Loop Guard globally enabled

False

Error X

Generated fix:

spanning-tree loopguard default

8 Loop Guard enabled on access interface High **False**

False

Error X

Found port(s) with error:

GigabitEthernet0/1

GigabitEthernet0/2

GigabitEthernet0/3

GigabitEthernet1/0

GigabitEthernet1/1

GigabitEthernet1/2

GigabitEthernet1/3

GigabitEthernet2/0

GigabitEthernet2/1

GigabitEthernet2/2

GigabitEthernet2/3

GigabitEthernet3/0

GigabitEthernet3/1

GigabitEthernet3/2

GigabitEthernet3/3

Generated fix:

interface GigabitEthernet0/1 spanning-tree guard loop

interface GigabitEthernet0/2 spanning-tree guard loop

exit

interface GigabitEthernet0/3

spanning-tree guard loop

interface GigabitEthernet1/0 spanning-tree guard loop

exit interface GigabitEthernet1/1 spanning-tree guard loop

interface GigabitEthernet1/2 spanning-tree guard loop

exit

interface GigabitEthernet1/3 spanning-tree guard loop

interface GigabitEthernet2/0 spanning-tree guard loop

exit

interface GigabitEthernet2/1 spanning-tree guard loop

exit

interface GigabitEthernet2/2 spanning-tree guard loop

exit

interface GigabitEthernet2/3 spanning-tree guard loop

exit

interface GigabitEthernet3/0 spanning-tree guard loop

exit

interface GigabitEthernet3/1 spanning-tree guard loop

exit

interface GigabitEthernet3/2 spanning-tree guard loop

interface GigabitEthernet3/3 spanning-tree guard loop

exit

VLAN

No.	Name	Severity	Skipped	Cannot determine search/fix	
1	Default Vlan not used	Critical	False	False	Error 🗶

Cannot be fixed automatically! Cannot automatically determine VLAN assignment to port.

Right configuration setting found in:

interface GigabitEthernet2/0 switchport access vlan 20

Found port(s) with error:

GigabitEthernet0/2

GigabitEthernet0/3

GigabitEthernet1/1

GigabitEthernet1/2

GigabitEthernet1/3 GigabitEthernet2/1

GigabitEthernet2/2

GigabitEthernet2/3 GigabitEthernet3/0

GigabitEthernet3/1 GigabitEthernet3/2

GigabitEthernet3/3

Fix notice:

Eliminate ports with default Vlan by command with Vlan ID different than 1 interface <interface name> switchport mode access

switchport access vlan <vlan id>

Management VLAN + SVI set and Medium False **False** Successful < different than 1

Comment:

Cannot be fixed automatically! Cannot automatically set diffrenet IP among SVI(s) a lot of prerequirements must be met as existing VLAN and port assigned to VLAN.

Right configuration setting found in:

interface Vlan20 ip address 192.168.20.2 255.255.255.0 standby 20 ip 192.168.20.1

3 Management VLAN gateway Medium False **False** Error X

Comment:

Cannot be fixed automatically! Cannot automatically set default gateway among different switches.

Fix notice:

Default gateway can be set with command:

ip default-gateway <ip address>

Native vlan different than 1 Critical False **False** Successful 🗸

Right configuration setting found in: interface GigabitEthernet0/1 switchport trunk native vlan 100 interface GigabitEthernet1/0 switchport trunk native vlan 100 Specified allowed VLAN on trunk Critical **False False** Successful < Right configuration setting found in: interface GigabitEthernet0/1 switchport trunk allowed vlan 20,30 interface GigabitEthernet1/0 switchport trunk allowed vlan 20,30 6 Switchport mode dynamic disabled Critical **False False** Successful < 7 Switchport implicit dynamic disabled Error X Critical **False False** Right configuration setting found in: interface GigabitEthernet2/0 switchport mode access Found port(s) with error: GigabitEthernet0/2 GigabitEthernet0/3 GigabitEthernet1/1 GigabitEthernet1/2 GigabitEthernet1/3 GigabitEthernet2/1 GigabitEthernet2/2 GigabitEthernet2/3 GigabitEthernet3/0 GigabitEthernet3/1 GigabitEthernet3/2 GigabitEthernet3/3 Generated fix: interface GigabitEthernet0/2 switchport mode access exit interface GigabitEthernet0/3 switchport mode access exit interface GigabitEthernet1/1 switchport mode access exit interface GigabitEthernet1/2 switchport mode access exit interface GigabitEthernet1/3 switchport mode access interface GigabitEthernet2/1 switchport mode access exit interface GigabitEthernet2/2 switchport mode access exit interface GigabitEthernet2/3 switchport mode access exit interface GigabitEthernet3/0 switchport mode access interface GigabitEthernet3/1 switchport mode access exit interface GigabitEthernet3/2 switchport mode access exit interface GigabitEthernet3/3 switchport mode access exit 8 DTP disabled Critical False False Error X

Right configuration setting found in:

interface GigabitEthernet0/1 switchport nonegotiate interface GigabitEthernet1/0 switchport nonegotiate interface GigabitEthernet2/0 switchport nonegotiate

Found port(s) with error:

GigabitEthernet0/2

GigabitEthernet0/3

GigabitEthernet1/1

GigabitEthernet1/2

GigabitEthernet1/3

GigabitEthernet2/1

GigabitEthernet2/2

GigabitEthernet2/3

GigabitEthernet3/0

GigabitEthernet3/1

GigabitEthernet3/2

GigabitEthernet3/3

Generated fix:

interface GigabitEthernet0/2 switchport nonegotiate exit

interface GigabitEthernet0/3 switchport nonegotiate

exit

interface GigabitEthernet1/1 switchport nonegotiate

exit

interface GigabitEthernet1/2 switchport nonegotiate exit

interface GigabitEthernet1/3 switchport nonegotiate exit

interface GigabitEthernet2/1 switchport nonegotiate

exit interface GigabitEthernet2/2 switchport nonegotiate

exit

interface GigabitEthernet2/3 switchport nonegotiate

interface GigabitEthernet3/0 switchport nonegotiate exit

interface GigabitEthernet3/1 switchport nonegotiate

exit interface GigabitEthernet3/2 switchport nonegotiate exit

interface GigabitEthernet3/3 switchport nonegotiate

exit

9 VTP disabled Critical False False Successful ✓

Network Mapping

1 CDP globally disabled Critical False False Successful Right configuration setting found in: no cdp run								
no cdp run	1							
84 1 1 1								
2 CDP disabled on interface(s) Critical False False equivalent	,							
Comment: Module was marked as matched by equivalent by module 11_01_cdp_run_disabled.yaml								
3 LLDP globally disabled Critical False False Successful	✓							

4	LLDP receive disabled on interface(s)	Critical	False	False	Not relevant ✓
Modu	ment: ule 11_04_lldp_receive.yaml configured to run afte not run yet with specified cmd_match_status, 11_0				error but that module
5	LLDP transmit disabled on interface(s)		False	False	Not relevant ✓
	ment:				•
Modu modu	ule 11_05_lldp_transmit.yaml configured to run aftoule has not run yet with specified cmd_match_state	er 11_03_lldp us, 11_05_lldp	_run_disabled.y o_transmit.yam	vaml with statu Il will not run	s error but that
6	Proxy ARP disabled on interface(s)	Critical	False	False	Error 🗶
Gigal Vlan: Vlan: Gene inter no ip exit inter no ip exit inter no ip exit					
exit 7	ICMP Unreachable disabled on interface(s)	High	False	False	Error X
Gigal Vlan Vlan Gene inter no ip exit inter no ip exit inter inter	erated fix: face GigabitEthernet0/0 unreachables face Vlan20 unreachables face Vlan30 unreachables				Not relevant
8 Com	ICMPv6 Unreachable disabled on interface(s) ment:	High	True	False	✓
	ped, required function ipv6 not configured on device ICMP Mask Reply disabled on			F-1.	
9	interface(s) Directed broadcast disabled on	High	False	False	Successful 🗸
10 11	interface(s) ICMP Redirects disabled on interface(s)	Critical High	False False	False False	Successful ✓ Error X
Four Gigal Vlan: Vlan: Gene inter no ip exit inter no ip exit inter	nd port(s) with error: bitEthernet0/0 20				
exit 12	ICMP 224.0.0.1 ping disabled in ACL	Medium	False	False	Error X

Generated fix:

ip access-list extended DENY_NETWORK_MAP remark deny ping all nodes deny icmp any host 224.0.0.1 echo log-input remark deny host query deny igmp any any host-query log-input permit ip any any

Fix notice:

Some devices do not recognize parameter "log-input" in ACL, so manually replace it with "log"

13 IGMP Host Query disabled in ACL Medium False

Generated fix:

ip access-list extended DENY NETWORK MAP remark deny ping all nodes deny icmp any host 224.0.0.1 echo log-input remark deny host query deny igmp any any host-query log-input permit ip any any

Fix notice:

Some devices do not recognize parameter "log-input" in ACL, so manually replace it with "log"

Not relevant ICMPv6 ff02::1 ping disabled in ACL Medium True False

Error X

Comment:

Skipped, required function ipv6 not configured on device. Everything is OK.

Not relevant 15 MLD Host Query disabled in ACL **False** Medium True

Skipped, required function ipv6 not configured on device. Everything is OK.

ACL against IPv4 network monitoring Medium False False Error X applied on interface(s)

Found port(s) with error:

GigabitEthernet0/2

GigabitEthernet0/3

GigabitEthernet1/1

GigabitEthernet1/2

GigabitEthernet1/3

GigabitEthernet2/0

GigabitEthernet2/1

GigabitEthernet2/2 GigabitEthernet2/3

GigabitEthernet3/0

GigabitEthernet3/1

GigabitEthernet3/2

GigabitEthernet3/3

Generated fix:

interface GigabitEthernet0/2

ip access-group DENY_NETWORK_MAP in

interface GigabitEthernet0/3

ip access-group DENY NETWORK MAP in

interface GigabitEthernet1/1

ip access-group DENY_NETWORK_MAP in

exit

interface GigabitEthernet1/2

ip access-group DENY_NETWORK_MAP in exit

interface GigabitEthernet1/3

ip access-group DENY_NETWORK_MAP in exit

interface GigabitEthernet2/0

ip access-group DENY_NETWORK_MAP in exit

interface GigabitEthernet2/1

ip access-group DENY_NETWORK_MAP in exit

interface GigabitEthernet2/2

ip access-group DENY NETWORK MAP in

interface GigabitEthernet2/3

ip access-group DENY_NETWORK_MAP in

interface GigabitEthernet3/0

ip access-group DENY_NETWORK_MAP in

exit

interface GigabitEthernet3/1

ip access-group DENY_NETWORK_MAP in

interface GigabitEthernet3/2

ip access-group DENY NETWORK MAP in exit

interface GigabitEthernet3/3

ip access-group DENY_NETWORK_MAP in exit

Fix notice:

ACL will be applied to specified ACCESS interface(s). In case of existing ACL on interface in same direction, please set variable fix_cmd_ignore: "true" and append generated ACL from module 11_12_icmp_discovery_network to existing ACL to proper place.

ACL against IPv6 network monitoring 17 applied on interface(s)

Medium True **False**

Not relevant

Skipped, required function ipv6 not configured on device. Everything is OK.

Routing

No.	Name	Severity	Skipped	Cannot determine search/fix			
1	OSPF IPv4 Router ID	Medium	False	False	Error 🗶		
route	ad error in context(s): or ospf 1						
route	erated fix: er ospf 1 er-id 1.1.1.1						
2	OSPF IPv6 Router ID	Medium	True	False	Not relevant ✓		
Comment: Skipped, required function ospf ipv6 not configured on device. Everything is OK.							
3	OSPFv3 Address Family General Router ID	Medium	True	False	Not relevant ✓		

Comment: Skipped, required function ospfv3 not configured on device. Everything is OK.								
4	OSPFv3 Address Family IPv4 Router ID	Medium	True	False	Not relevant ✓			
	n ment: ped, required function ospfv3 not configured on de	vice. Everyth	ing is OK.					
5	OSPFv3 Address Family IPv6 Router ID	Medium	True	False	Not relevant ✓			
	n ment: ped, required function ipv6 not configured on devic	ce. Everything	յ is OK.					
6	EIGRP IPv4 Router ID	Medium	True	False	Not relevant ✓			
	nment: ped, required function eigrp ipv4 not configured on	device. Ever	ything is OK.					
7	EIGRP IPv6 Router ID	Medium	True	False	Not relevant ✓			
	n ment: ped, required function eigrp ipv6 not configured on	device. Ever	ything is OK.					
8	EIGRP Named IPv4 Router ID	Medium	True	False	Not relevant ✓			
	nment: ped, required function eigrp named not configured	on device. Ev	verything is OK					
9	EIGRP Named IPv6 Router ID	Medium	True	False	Not relevant ✓			
Comment: Skipped, required function ipv6 not configured on device. Everything is OK.								
10	BGP Router ID	Medium	True	False	Not relevant ✓			
	n ment: ped, required function bgp not configured on device	e. Everything	is OK.					
11	OSPF IPv4 Log adjacency changes	Medium	False	False	Successful ✓			
12	OSPF IPv6 Log adjacency changes	Medium	True	False	Not relevant ✓			
	ment: ped, required function ospf ipv6 not configured on	device. Every	thing is OK.					
13	OSPFv3 Address Family IPv6 Log adjacency changes	Medium	True	False	Not relevant ✓			
	nment: ped, required function ipv6 not configured on devic	co Evonything	r ic OV					
14	OSPFv3 Address Family IPv4 Log adjacency changes	Medium	True	False	Not relevant ✓			
	n ment: ped, required function ospfv3 not configured on de	vice. Everyth	ing is OK.					
15	OSPFv3 Address Family IPv6 Log adjacency changes	Medium	True	False	Not relevant ✓			
	n ment: ped, required function ipv6 not configured on devic	ce. Everything	յ is OK.					
16	EIGRP IPv4 Log neighbor changes	Medium	True	False	Not relevant ✓			
	n ment: ped, required function eigrp ipv4 not configured on	device. Ever	ything is OK.					
17	EIGRP IPv6 Log neighbor changes	Medium	True	False	Not relevant ✓			
	Comment: Skipped, required function eigrp ipv6 not configured on device. Everything is OK.							

18	EIGRP Named IPv4 Log neighbor changes	Medium	True	False	Not relevant ✓					
	Comment: Skipped, required function eigrp named not configured on device. Everything is OK.									
19	EIGRP Named IPv6 Log neighbor changes	Medium	True	False	Not relevant ✓					
	Comment: Skipped, required function ipv6 not configured on device. Everything is OK.									
20	BGP Log neighbor changes	Medium	True	False	Not relevant ✓					
	ment: ped, required function bgp not configured on devic	e. Everything	is OK.							
21	RIP auto summary disabled	High	True	False	Not relevant ✓					
	ment: ped, required function rip not configured on device	. Everything i	s OK.							
22	EIGRP IPv4 Auto summary disabled	High	True	False	Not relevant ✓					
	ment: ped, required function eigrp ipv4 not configured on	device. Ever	ything is OK.							
23	EIGRP IPv6 Auto summary disabled	High	True	False	Not relevant ✓					
	ment: ped, required function eigrp ipv6 not configured on	device. Ever	ything is OK.							
24	EIGRP Named IPv4 Auto summary disabled	High	True	False	Not relevant ✓					
	ment: ped, required function eigrp named not configured	on device. Ev	verything is OK							
25	EIGRP Named IPv6 Auto summary disabled	High	True	False	Not relevant ✓					
	ment: ped, required function ipv6 not configured on devic	ce. Everything	g is OK.							
26	BGP Auto summary disabled	High	True	False	Not relevant ✓					
	ment: bed, required function bgp not configured on devic	e Everything	is OK							
27	BGP Multihop disabled or TTL security used	High	True	False	Not relevant ✓					
	ment: ped, required function bgp not configured on devic	e. Everything	is OK.							
28	IP Source routing (IP Options) disabled	Critical	False	False	Successful 🗸					

Filtering

No.	Name	Severity	Skipped	Cannot determine search/fix				
1	IP Options disabled	Critical	False	False	Error 🗶			
	erated fix: tions drop							
Fix notice: RSVP and other protocols that use IP Options packets may not function as expected.								
2	ACL filter IPv6 unknown extended header	Critical	True	False	Not relevant ✓			

Comment: Skipped, required function ipv6 not configured on device. Everything is OK. 3 ACL filter IPv6 unknown extended header applied on ACCESS interface Critical True False Comment: Skipped, required function ipv6 not configured on device. Everything is OK.

First Hop Security

No.	Name	Severity	Skipped	Cannot determine Status search/fix	
1	Port security enabled	Critical	False	False	Error 🗶

Right configuration setting found in:

interface GigabitEthernet2/0 switchport port-security

Found port(s) with error:

GigabitEthernet0/2

GigabitEthernet0/3

GigabitEthernet1/1

GigabitEthernet1/2

GigabitEthernet1/3

GigabitEthernet2/1

GigabitEthernet2/2

GigabitEthernet2/3

GigabitEthernet3/0

GigabitEthernet3/1

GigabitEthernet3/2

GigabitEthernet3/3

Generated fix: interface GigabitEthernet0/2 switchport port-security mac-address sticky switchport port-security maximum 1 switchport port-security violation shutdown switchport port-security interface GigabitEthernet0/3 switchport port-security mac-address sticky switchport port-security maximum 1 switchport port-security violation shutdown switchport port-security exit interface GigabitEthernet1/1 switchport port-security mac-address sticky switchport port-security maximum 1 switchport port-security violation shutdown switchport port-security exit interface GigabitEthernet1/2 switchport port-security mac-address sticky switchport port-security maximum 1 switchport port-security violation shutdown switchport port-security exit interface GigabitEthernet1/3 switchport port-security mac-address sticky switchport port-security maximum 1 switchport port-security violation shutdown switchport port-security exit interface GigabitEthernet2/1 switchport port-security mac-address sticky switchport port-security maximum 1 switchport port-security violation shutdown switchport port-security exit interface GigabitEthernet2/2 switchport port-security mac-address sticky switchport port-security maximum 1 switchport port-security violation shutdown switchport port-security exit interface GigabitEthernet2/3 switchport port-security mac-address sticky switchport port-security maximum 1 switchport port-security violation shutdown switchport port-security exit interface GigabitEthernet3/0 switchport port-security mac-address sticky switchport port-security maximum 1 switchport port-security violation shutdown switchport port-security exit interface GigabitEthernet3/1 switchport port-security mac-address sticky switchport port-security maximum 1 switchport port-security violation shutdown switchport port-security exit interface GigabitEthernet3/2 switchport port-security mac-address sticky switchport port-security maximum 1 switchport port-security violation shutdown switchport port-security exit interface GigabitEthernet3/3 switchport port-security mac-address sticky switchport port-security maximum 1 switchport port-security violation shutdown switchport port-security exit

2	Port security maximum 1 allowed MAC on port	Critical	False	False	Successful 🗸
3	Port security violation shutdown	Critical	False	False	Successful 🗸
4	802.1x globally enabled	High	False	False	Error X

Generated fix: dot1x system-auth-control							
5 AAA authentication 802.1x	High	False	False	Error 🗶			
Generated fix: aaa authentication dot1x default group RADIUS_SERVER							
6 802.1x enabled on interfaces	High	False	False	Error 🗶			
Found port(s) with error: GigabitEthernet0/2 GigabitEthernet1/1 GigabitEthernet1/2 GigabitEthernet2/0 GigabitEthernet2/1 GigabitEthernet2/2 GigabitEthernet2/3 GigabitEthernet2/3 GigabitEthernet3/0 GigabitEthernet3/1 GigabitEthernet3/2 GigabitEthernet3/3 GigabitEthernet3/3		i disc	, uise	LITOI A			

Generated fix: interface GigabitEthernet0/2 access-session port-control auto authentication port-control auto dot1x port-control auto yes exit interface GigabitEthernet0/3 access-session port-control auto authentication port-control auto dot1x port-control auto yes exit interface GigabitEthernet1/1 access-session port-control auto authentication port-control auto dot1x port-control auto yes exit interface GigabitEthernet1/2 access-session port-control auto authentication port-control auto dot1x port-control auto yes exit interface GigabitEthernet1/3 access-session port-control auto authentication port-control auto dot1x port-control auto yes exit interface GigabitEthernet2/0 access-session port-control auto authentication port-control auto dot1x port-control auto yes exit interface GigabitEthernet2/1 access-session port-control auto authentication port-control auto dot1x port-control auto yes exit interface GigabitEthernet2/2 access-session port-control auto authentication port-control auto dot1x port-control auto yes exit interface GigabitEthernet2/3 access-session port-control auto authentication port-control auto dot1x port-control auto yes exit interface GigabitEthernet3/0 access-session port-control auto authentication port-control auto dot1x port-control auto yes exit interface GigabitEthernet3/1 access-session port-control auto authentication port-control auto dot1x port-control auto yes exit interface GigabitEthernet3/2 access-session port-control auto authentication port-control auto dot1x port-control auto yes exit interface GigabitEthernet3/3 access-session port-control auto authentication port-control auto

Fix notice:

yes exit

dot1x port-control auto

Just one of fixing command is applicable to device. There are more because of different syntax among IOS versions.

7	802.1x enabled on interfaces	High	False	False	Successful 🗸	
8	802.1x port set authenticator	High	False	False	Error 🗶	
Giga Giga Giga Giga Giga Giga Giga Giga	bitEthernet0/2 bitEthernet1/1 bitEthernet1/2 bitEthernet1/3 bitEthernet1/3 bitEthernet1/3 bitEthernet2/0 bitEthernet2/1 bitEthernet2/1 bitEthernet2/3 bitEthernet2/3 bitEthernet3/0 bitEthernet3/1 bitEthernet3/1 bitEthernet3/3 cace GigabitEthernet0/2 x pae authenticator face GigabitEthernet1/1 x pae authenticator face GigabitEthernet2/0 x pae authenticator face GigabitEthernet2/1 x pae authenticator face GigabitEthernet2/2 x pae authenticator face GigabitEthernet2/3 x pae authenticator face GigabitEthernet3/0 x pae authenticator face GigabitEthernet3/1 x pae authenticator face GigabitEthernet3/1 x pae authenticator face GigabitEthernet3/1 x pae authenticator face GigabitEthernet3/2 x pae authenticator face GigabitEthernet3/2 x pae authenticator face GigabitEthernet3/2 x pae authenticator face GigabitEthernet3/3 x pae authenticator					
9	DHCP Snooping globally enabled	Critical	False	False	Error X	
Generated fix: ip dhcp snooping Fix notice: On router(s) to DHCP server issue command "ip dhcp relay information trust-all"						
10	DHCP Snooping enabled for VLAN(s)	Critical	False	False	Error 🗶	
	erated fix: acp snooping vlan 10,20,30,40,50,60					
11	DHCP Snooping trust interface(s) set	Critical	False	False	Error X	

Found port(s) with error: GigabitEthernet0/1 GigabitEthernet1/0 Generated fix: interface GigabitEthernet0/1 ip dhcp snooping trust exit interface GigabitEthernet1/0 ip dhcp snooping trust exit **DHCP Snooping rate limit fo ACCESS** High 12 **False False** Error X interface(s) set Found port(s) with error: GigabitEthernet0/2 GigabitEthernet0/3 GigabitEthernet1/1 GigabitEthernet1/2 GigabitEthernet1/3 GigabitEthernet2/0 GigabitEthernet2/1 GigabitEthernet2/2 GigabitEthernet2/3 GigabitEthernet3/0 GigabitEthernet3/1 GigabitEthernet3/2 GigabitEthernet3/3 Generated fix: interface GigabitEthernet0/2 ip dhcp snooping limit rate 100 exit interface GigabitEthernet0/3 ip dhcp snooping limit rate 100 exit interface GigabitEthernet1/1 ip dhcp snooping limit rate 100 exit interface GigabitEthernet1/2 ip dhcp snooping limit rate 100 exit interface GigabitEthernet1/3 ip dhcp snooping limit rate 100 exit interface GigabitEthernet2/0 ip dhcp snooping limit rate 100 exit interface GigabitEthernet2/1 ip dhcp snooping limit rate 100 exit interface GigabitEthernet2/2 ip dhcp snooping limit rate 100 interface GigabitEthernet2/3 ip dhcp snooping limit rate 100 exit interface GigabitEthernet3/0 ip dhcp snooping limit rate 100 exit interface GigabitEthernet3/1 ip dhcp snooping limit rate 100 exit interface GigabitEthernet3/2 ip dhcp snooping limit rate 100 interface GigabitEthernet3/3 ip dhcp snooping limit rate 100 exit Not relevant 13 IPv6 Unicast Routing enabled Critical True False Skipped, required function ipv6 not configured on device. Everything is OK. Not relevant IPv6 RA Guard host policy defined False Critical True

		•	g is OK.		Not relevant			
15	IPv6 RA Guard on ACCESS interface(s)	Critical	True	False	✓			
Comment: Skipped, required function ipv6 not configured on device. Everything is OK.								
16	DHCPv6 Server policy	Critical	True	False	Not relevant ✓			
	n ment: ped, required function ipv6 not configured on devi	ce. Everythin	g is OK.					
17	DHCPv6 Client policy	Critical	True	False	Not relevant ✓			
	n ment: ped, required function ipv6 not configured on devi	ce. Everythin	g is OK.					
18	DHCPv6 Guard server interface(s) set	Critical	True	False	Not relevant ✓			
	nment: ped, required function ipv6 not configured on devi	ce. Everythin	g is OK.					
19	DHCPv6 Guard client interface(s) set	Critical	True	False	Not relevant ✓			
Skip	nment: ped, required function ipv6 not configured on devi Dynamic ARP Inspection enabled for			Falsa	- V			
20	VLAN(s)	Critical	False	False	Error 🗶			
	erated fix: p inspection vlan 10,20,30,40,50,60							
21	Dynamic ARP Inspection validate by SRC,DST MAC and IP	Critical	False	False	Error 🗶			
	erated fix: p inspection validate src-mac dst-mac ip							
22	Dynamic ARP trusted interface(s) set	Critical	False	False	Error 🗶			
Giga	nd port(s) with error: bitEthernet0/1 bitEthernet1/0							
inter ip ar exit	erated fix: face GigabitEthernet0/1 p inspection trust face GigabitEthernet1/0							
	p inspection trust							
23	IPv6 ND inspection policy	Critical	True	False	Not relevant ✓			
	nment: ped, required function ipv6 not configured on devi	ce. Everythin	g is OK.					
24	IPv6 ND inspection on interface(s) set	Critical	True	False	Not relevant ✓			
	n ment: ped, required function ipv6 not configured on devi	ce. Everythin	g is OK.					
25	IPv6 Snooping policy	Critical	True	False	Not relevant ✓			
	nment: ped, required function ipv6 not configured on devi	ce. Everythin	g is OK.					
26	IPv6 Snooping on interface(s) set	Critical	True	False	Not relevant			

Skipped, required function ipv6 not configured on device. Everything is OK. 27 IP Source Guard on interface(s) set Critical **False** Error X False Found port(s) with error: GigabitEthernet0/2 GigabitEthernet0/3 GigabitEthernet1/1 GigabitEthernet1/2 GigabitEthernet1/3 GigabitEthernet2/0 GigabitEthernet2/1 GigabitEthernet2/2 GigabitEthernet2/3 GigabitEthernet3/0 GigabitEthernet3/1 GigabitEthernet3/2 GigabitEthernet3/3 Generated fix: interface GigabitEthernet0/2 ip verify source port-security interface GigabitEthernet0/3 ip verify source port-security exit interface GigabitEthernet1/1 ip verify source port-security exit interface GigabitEthernet1/2 ip verify source port-security exit interface GigabitEthernet1/3 ip verify source port-security interface GigabitEthernet2/0 ip verify source port-security exit interface GigabitEthernet2/1 ip verify source port-security exit interface GigabitEthernet2/2 ip verify source port-security exit interface GigabitEthernet2/3 ip verify source port-security interface GigabitEthernet3/0 ip verify source port-security exit interface GigabitEthernet3/1 ip verify source port-security exit interface GigabitEthernet3/2 ip verify source port-security interface GigabitEthernet3/3 ip verify source port-security exit Not relevant 28 IPv6 Source Guard policy Critical True **False** Skipped, required function ipv6 not configured on device. Everything is OK.

29	IPv6 Source Guard on interface(s) set	Critical	True	False	Not relevant ✓			
	Comment: Skipped, required function ipv6 not configured on device. Everything is OK.							
30	IPv6 Destination Guard policy	Critical	True	False	Not relevant ✓			
	Comment: Skipped, required function ipv6 not configured on device. Everything is OK.							
31	IPv6 Destination Guard on interface(s) set	Critical	True	False	Not relevant ✓			
	Comment: Skipped, required function ipy6 not configured on device. Everything is OK							

Other

	Name	Severity	Skipped	Cannot determine search/fix			
1	Servis PAD disabled (Packet assembler disassembler)	High	False	False	Error 🗶		
	erated fix: ervice pad						
2	BOOTP server disabled	High	False	False	Error 🗶		
Generated fix: no ip bootp server							
3	Finger protocol disabled	High	False	False	Successful 🗸		
4	HTTP server disabled	High	False	False	Error X		
	r configuration setting found in: p server						
5	HTTPS server disabled	High	False	False	Successful 🗸		
5	TCP small server disabled	High	False	False	Successful 🗸		
7	UDP small server disabled	High	False	False	Successful 🗸		
8	IP domain lookup disabled	High	False	False	Error 🗶		
Generated fix: no ip domain-lookup no ip domain lookup Fix notice: Just one of fixing command is applicable to device. There are more because of different syntax among IOS versions.							
	one of fixing command is applicable to device. The	re are more b	ecause of diffe	rent syntax am	ong IOS versions.		
	one of fixing command is applicable to device. The Gratuitous ARPs generation disabled	re are more b High	ecause of diffe False	rent syntax am False	nong IOS versions. Error X		
Just o							
Just o 9 Gene no ip	Gratuitous ARPs generation disabled						
Just of General Property of Service (Service Control Property of Service Control Prope	Gratuitous ARPs generation disabled erated fix: gratuitous-arps	High	False	False	Error X		
Just of General Property of Service (Service Control Property of Service Control Prope	Gratuitous ARPs generation disabled erated fix: gratuitous-arps Gratuitous ARPs reject enabled erated fix:	High	False	False	Error X		
General Services Serv	Gratuitous ARPs generation disabled erated fix: gratuitous-arps Gratuitous ARPs reject enabled erated fix: gratuitous none	High High Notice	False False	False False	Error X Error X Successful ✓		

Comment: Module 15_14_netflow_version_9.yaml configured to run after 15_13_netflow.yaml with status error but that module has not run yet with specified cmd_match_status, 15_14_netflow_version_9.yaml will not run							
13	Netflow traffic analyze disabled on interface(s)	Notice	False	False	Not relevant ✓		
Comment: Module 15_15_netflow_interface.yaml configured to run after 15_13_netflow.yaml with status error but that module has not run yet with specified cmd_match_status, 15_15_netflow_interface.yaml will not run Fix ignore comment: By default fix is ignored due to disablement of traffic monitoring. Consider whether port mirroring is neccesary for monitoring							
14	Port mirroring disabled on interface(s)	Notice	False	False	Successful 🗸		
By de	gnore comment: efault fix is ignored due to disablement of traffic mo toring		sider whether	port mirroring i	is neccesary for		
15	Set always "UP" Loopback interface with IP address	Medium	False	False	Error X		
interfip add snmp no ip no ip no ip no ip no ip exit	erated fix: face loopback 0 dress 1.1.1.1 255.255.255.0 ifindex persist redirects unreachables v6 unreachables proxy-arp otice:						
If IP a IP on	ddress and mask is not in this module, fallback set loopbacks accross multiple devices!						
16	Notification on memory IO leak/overflow	Medium	False	False	Error X		
	erated fix: otion memory ignore overflow io						
17	Notification on memory CPU leak/overflow	Medium	False	False	Error X		
	erated fix: otion memory ignore overflow processor						
18	Network boot disabled	Medium	False	False	Successful 🗸		
19	Network config load disabled	Medium	False	False	Successful 🗸		
20	SCP server enabled	Medium	False	False	Error X		
Generated fix: ip scp server enable							
21	SCP alias copy instead of TFTP	High	False	False	Successful 🗸		
22	Protection of configuration deletion	High	False	False	Error 🗶		
Generated fix: secure boot config secure boot-config Fix notice:							
Just one of fixing command is applicable to device. There are more because of different syntax among IOS versions.							
23	Archive and log config changes	Medium	False	False	Error X		

archi path log c loggi notify hidek maxi	unix: onfig ng enable / syslog						
24	Terminate hanged inbound TCP connection to device	Medium	False	False	Error 🗶		
	Generated fix: service tcp-keepalives-in						
25	Terminate hanged outbound TCP connection to device	Medium	False	False	Error X		
	Generated fix: service tcp-keepalives-out						
26	Encrypt all saved passwords in configuration	Critical	False	False	Successful 🗸		
	Right configuration setting found in: no service password-encryption						